



Fee and Hammons

ORGDP Ridesharing Office lists employee services

The ORGDP Ridesharing Office maintains a computerized listing of all plant employees who are interested in car, van or bus pooling. The present system has been in operation since July 1979.

The office can provide interested employees with accurate lists of other registered employees living in their areas who are interested in carpooling. It also maintains a list of van and bus operators for those who desire information about van and bus pools.

To provide better service, the Ridesharing Office encourages all

interested ORGDP employees to:

1. Register with our office.
2. Update your previous registration (if you are now in a van, bus or carpool, or if your address, shift, etc., has changed).
3. Register your van or bus with us so we can refer potential riders to you.

For more information about ridesharing, contact the ORGDP Ridesharing Office at 4-8592 or 4-8595.

O.R. secretaries set April breakfast date

As part of the observance of Secretaries Week (April 20-26), the Oak Ridge Chapter of the National Secretaries Association is sponsoring an "Early-Bird Breakfast Buffet" on Monday, April 21, from 6:30 to 8 a.m. at the Oak Ridge Holiday Inn.

Wyvetta Ratledge, a CPS in the Engineering Division, will speak on the topic, "The Secretary — A Member of the Management Team."

Tickets for the breakfast are \$3.50, and all area secretaries and

supervisors are invited to attend. For reservations, contact Edith Jones, 4-5845.

Daylight Savings Time

At 2 a.m., Sunday, April 27, it will suddenly become 3 a.m. Daylight Savings Time begins for Nuclear Division employees...a sure sign of spring.

Employees who work midnights that day will clock in on Standard Time and out on Daylight Saving Time...Oak Ridgers on Eastern, Paducahans on Central.

ND employees tell us —

What qualities make a good secretary?

Webster's New World Dictionary defines a secretary as "a person whose work is keeping records, taking care of correspondence and other writing tasks, etc. as for an individual in a business office."

The tasks above are often included in a secretary's duties, but are apparently only a part of the job. In observance of Secretaries Week (April 20-26), several Nuclear Division secretaries and their supervisors were questioned about the skills and values of secretaries. Their replies, which suggest that a good secretary performs far more than just "writing tasks," follow.

*

When asked whether she felt that sufficient leeway is given to secretaries to exercise initiative and judgment in getting things done, Betty Lester, CPS, and secretary to Paducah Gaseous Diffusion Plant Manager Clay D. Zerby, replied, "Fortunately, yes. In my present job, initiative and judgment must be exercised every day, making my job interesting, challenging and enjoyable."

"Before my current job, I encountered some supervisors who regarded me as a typist/file clerk rather than a secretary and delegated only routine tasks that required no judgment on my part. This resulted in quite a boring job."

"Many office tasks may be handled by a competent secretary if the supervisor will only let her 'try her wings.' This will not only allow the supervisor's time to be saved for more important things but also make the secretary's job more interesting and challenging."

Lester said she expects to spend several more "productive and happy" years as a secretary. She said she keeps up with the latest developments in the field by staying active in the National Secretaries Association, attending seminars and continuing her education. "I'm proud of my profession and enjoy being a secretary," she concluded.

Zerby, her supervisor, was asked what skills he values most in a secretary and replied, "The most important aspect of the secretary's job is to represent the office in a professional manner. This means that the secretary must display an array of skills, including a professional demeanor, the ability to effectively and efficiently organize office functions and work flow and to communicate well while maintaining control of official confidential information. She must also perform the necessary tasks with a sense of pride in professional product."

(Please see Page 8)



Bradley and Parzyck



Art Nine

Art Nine named to Y-12 post

Art Nine has been named retirement counselor in the Employee Relations Division at Y-12. He succeeds E. W. Whitfield, who has accepted an assignment in the Product Certification Division.

Nine, a native of Long Island, N.Y., joined Union Carbide in 1958. He has served as a process operator, instrument mechanic and maintenance supervisor. Prior to coming to Y-12, he was with Standard Oil of New Jersey. He has attended the University of Tennessee.

Mrs. Nine is the former Peggy Kelley, and they live in Concord. The Nines have three daughters, Kathryn Alexander, Lynda Blankenship and Carole.

Nine is active in the Knoxville Area Communications Center for the Deaf and teaches in the deaf adult department of the First Baptist Church, Knoxville.

Retirees Association begins year with plans for 1,000 plus

The Union Carbide Retirees Association is in the midst of renewal efforts, as they advance into the second year, almost 1,000 members strong. Two reunions and a Christmas party highlighted last year's activities, with bridge parties going, a musicians' group already formed providing music for all the gatherings, a golf committee and others.

Membership dues are \$1 per retiree, or \$2 for retiree and spouse. Widows and/or widowers of employees are also eligible to join,

Virginia Donahoe states. Additional information may be obtained from her at Oak Ridge telephone 482-1968.

Two reunions at the Clark Center Recreation Park have been set for this year—June 13 and October 3. Another Christmas party is in the works, with the date to be decided.

So, get in on the fun. If you are a retiree and haven't joined, just use the application below. If you have joined and want to re-enlist, you may also use the application.

Suggestions are needed for future activities.

Energy-saving tip

Use fluorescent lighting whenever you can for more lumens per watt. A 40-watt fluorescent lamp gives off 80 lumens per watt, and a 60-watt incandescent bulb gives off only 14.7 lumens per watt. The 40-watt fluorescent lamp would save about 140 watt-hours of electricity over a seven-hour period.

Retirements

5581-19



William G. Fort
Engineering
Y-12
35 years service



Joe M. Smith
Barrier Operations
ORGDP
27 years service



Bernard W. Tilford
Chemical Processing
Paducah
24 years service



Carl E. Lawson
Operations
ORNL
30 years service



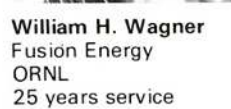
John E. Eve
Plant and Equipment
ORNL
35 years service



C. A. Gifford
Engineering Technology
ORNL
33 years service



Mary E. Wilharber
Converter Shop
Paducah
3 years service



William H. Wagner
Fusion Energy
ORNL
25 years service

Safety Scoreboard

Time worked without a lost-time accident through April 10:

ORGDP	66 Days	2,069,214 Employee-Hours
ORNL	141 Days	3,810,590 Employee-Hours
Paducah	322 Days	3,497,000 Employee-Hours
Y-12 Plant	121 Days	4,191,000 Employee-Hours

UNION CARBIDE RETIREES ASSOCIATION

Membership Application

Fee: \$1

Retiree and spouse \$2

Name _____
Spouse _____
Address _____
City _____ State _____ Zip _____
Telephone—Area Code _____/Number _____

(Please note if applicant is widow or widower. Fill in "Spouse" line with deceased employee's name, year of retirement and plant from which retired.)

Retired from:

ORGDP _____ ORNL _____ Y-12 _____
Paducah _____ Staff _____

Indicate Participation preference:

Golf _____ Painting _____
Travel _____ Christmas Party _____
Other Activity _____ Swimming _____
Bowling _____ Bridge _____
Reunions (2/yr) _____

Suggestions:

Make check payable to:
Union Carbide Retirees Association



Mail to:
P.O. Box 3501
Oak Ridge,
Tennessee 37830
or
P.O. Box 238
Paducah, Kentucky
42001



Fixed income; Steam Plant

Fixed income guaranty

QUESTION: In the same month the annual interest rate for UCC savings plan's Fixed Income Fund was set at 9.1 percent for 1980, the yield of one-year U.S. Treasury bills stood at 11.2 percent. Why cannot the fund manager obtain at least the interest rate employees could so easily get as individuals?

ANSWER: The fund manager could get the same or better rate than individuals if the rate were to apply only to new money coming into the plan. However, the rate is for all money in the plan, not just new money coming in. Because the fund has been in existence since 1973, there is a large amount of money invested on a term basis in securities at interest rates which were attractive at the time, but which are low by today's standards.

In November, when the 9.1% rate for 1980 was established, a rate of approximately 11% could have been obtained if it were to apply to new money only. This, however, would have required a change in the plan and would have worked to the detriment of those who have had money in the plan from earlier years, since the earnings rate on much of this money is at less than 9.1%. It also would have been possible to obtain a rate somewhat above the 9.1% if the current guarantee of not less than 8.6% through 1982 were waived. This, too, would be unfair to those who put money into the fund on the basis of the guaranteed minimum.

Because the interest rate applies to all money in the fund, the year-to-year rates tend to lag behind current rates for new investment. When, as now, current interest rates are climbing, the fund rate looks low; conversely, when rates decline, the fund rate may well be above the then-current market, and it will definitely be true if the market rates drop below 8.6% before 1983. This lagging trend is shown in the following table, comparing the Fixed Income Fund rates with the average yield rates for one-year U.S. Treasury Notes for the years 1973 through 1979.

Year	FIF Rate	One Year Treasury Note Average Rate
1973	7.50	7.01
1974	7.75	7.71
1975	8.55	6.30
1976	8.85	5.52
1977	8.70	5.71
1978	8.85	7.74
1979	9.10	9.75

K-25 Credit Union

QUESTION: Why doesn't the K-25 Credit Union have any black employees?

ANSWER: As we have indicated in this column before, Union Carbide does not have responsibility for the various credit unions. They are run by their own boards of directors. We suggest that you submit your question directly to the credit union in question.

Steam plant emissions

QUESTION: During this past winter, I noticed an increasing amount of fly ash being discharged from the Y-12 Steam Plant. It makes for an uncomfortable situation on the respiratory system and the eyes. Can anything be done about these emissions?

ANSWER: More steam is generated to heat the buildings in the Y-12 Plant during the winter months, and as a result more fly ash is emitted from the stacks. The efficiency of the existing fly-ash collection equipment has deteriorated significantly since its installation in 1967. A proposal for additional fly-ash collection equipment to bring the Y-12 Steam Plant into compliance with current emissions standards has been submitted to DOE. It is our understanding that DOE will include funds for this equipment and its installation in its next budget submission. Upon approval of the proposed project, we will be able to install the necessary equipment to correct the fly ash problem.

'Spot bid' sale set for May 14

A "spot bid" sale will be held of used government-owned vehicles and office equipment. The material may be seen at the Sales Office at the Powerhouse area of the Oak Ridge Gaseous Diffusion Plant, Building K-722, located off State Route number 58. It may be seen beginning April 28, from 8:10 a.m. until 4:10 p.m., Monday through Friday. It is also open for inspection Saturdays, May 3 and 10.

The sale will begin at 9 a.m., May 14 at the Sales Office. Additional information on the sale may be obtained from D. R. McCammon, extension 6-1451.

Energy-saving tip

Don't let sediment build up in the bottom of your hot water heater. It lowers the heater's efficiency and wastes energy. Once a month, drain several buckets of water from the tank to flush out the sediment. There's a faucet near the bottom of the tank for this purpose.



DIVISION COORDINATORS—Nuclear Division Affirmative Action/Equal Opportunity Coordinators plan a meeting for May 6 for all 80 of the Division's AA representatives. From left are Lynda Lewis, ORNL; Joanne Gailar, Nuclear Division; Frank Shanklin, PGDP; Kathy Coleman, ORGDP; and Eric Plunkett, Y-12.

Commitment to affirmative action theme of meeting

The Nuclear Division affirmative action coordinators and the EO coordinators met recently to plan a Division-wide meeting of the approximately 80 AA representatives. The theme of the May 6 meeting will be the Nuclear Division's commitment to affirmative action.

The session will open at 8:15 a.m. in the Environmental Sciences Auditorium, ORNL, as Roger F. Hibbs, President of the Nuclear Division, will discuss management's commitment to affirmative action. Joanne Gailar, EO coordinator, will then give a brief overview of affirmative action today; and B.L. White, UCC Headquarters

attorney, will discuss "The Regulations behind the Commitment to Affirmative Action: The Legal Climate Today." The four Nuclear Division coordinators will conclude the morning session with a discussion on "How the Nuclear Division Commitment is Translated into Action."

Charles A. Blake, corporate manager of Equal Opportunity Affairs, will speak at lunch on "Affirmative Action Emphasis: Yesterday and Today."

Four workshops for the representatives will be held concurrently during the afternoon sessions.

Save Energy. . . Share The Ride

ORNL

NOW FORMING BUS POOL from West Knoxville to all portals. Ray or Vic Claiborne, home phone 693-1168.

CAR POOL MEMBER or RIDER from Cedar Bluff area of Middlebrook Pike or Walker Springs Road, Knoxville, to East Portal, 8:15-4:45. E.L. Fair, plant phone 4-5723; home phone 693-3211.

ONE or TWO CAR POOL MEMBERS from area bounded by Pennsylvania, West Outer, Highland and Hillside Avenues, Oak Ridge, to East Portal, 8:15-4:45. T. J. Burnett, plant phone 4-6683; home phone 483-1975.

JOIN or FORM CAR POOL from River Road area, south of Kingston, to West Portal, 8-4:30. Steve Lindberg, plant phone 4-7857; home phone 376-3885.

FORM CAR POOL from Concord (Kings Gate, Fox Den, Old Stage Hill) to any portal, 8:15-4:45. Stan David, plant phone 4-4804; home phone 966-6570.

Y-12

JOIN VAN OR CAR POOL from Clinton to Bear Creek Portal, straight day. Ralph Phillips, plant phone 4-3299, home phone Clinton 457-4366.

JOIN CAR POOL from Maryville/Alcoa to any portal, H Shift. Patrick Howard, plant phone 4-3443, home phone Maryville 983-9612.

RIDE or JOIN CAR POOL from Cedar Bluff area, Knoxville, to East or Central Portal, 8-4:30 shift. Mike Harrington, plant phone 4-6329; home phone Knoxville 691-4742.

RIDE for one or two employees from Junction of Highway 62 at Petros to East or

North Portal, straight day. Audrey Browning, plant phone 4-0449.

NEW BUS ROUTE from Loudon (Junction 11 and 72) to Y-12, any portal, straight day. Bill Smith, extension 6-0290, or Lenoir City 986-6706; or Ray Ervin, plant phone 4-1115, or 986-2975.

ORGDP

Car Poolers from Norris/Halls vicinity via Highway 441 to Portal 2, 7:45-4:15 shift. Faye Beach, plant phone 4-7780, home phone Norris 494-9295.

Car pool member from Walker Springs Road, Westbridge Apartments, to Portal 2, 7:45-4:15 shift. Plant phone 6-0506, home phone Knoxville 690-9445.

BUS ROUTE from Loudon, Junction 11 and 72, to ORGDP, day shift. Bill Smith, plant phone 6-0290, home phone Loudon 986-6706.

VAN POOL members from South Knoxville (Almart and Karns areas) to any portal, B shift. John Ross, plant phone 4-9231, home phone Knoxville 577-0692.

BUS SERVICE from Oak Ridge to Portals 2, 4, 5 and 6, straight day. Serving most residential areas on north side of Turnpike, between New York and Montana. Dennis Hibben, plant phone 4-8300, home phone Oak Ridge 482-4139.

BUS SERVICE from Kingston, Midtown and Harriman to Portal, 2, 4, 5, 7 and 9, straight day. R. K. Hull, plant phone 6-0204, home phone Harriman 885-5618.

ATTENTION WEST KNOXVILLE—B & H Transit Inc., operating from West Knoxville to ORGDP is now making list for a second bus. This bus will be operating from West Town Mall. One bus will accommodate 7:45-4:15 employees and second bus for 8-4:30 employees. Buses will operate Portals 1, 2 and 4 only. Charlie Hinton, plant phone 6-0462, home Knoxville 693-7502; or Steve Buffalo, plant phone 6-7314, home Knoxville 690-5610.

Area high school students to attend Congressional workshops



Nell R. Burrus



Margaret E. Cooper



Michael W. Humphreys

Three high school students from East Tennessee have been chosen to attend the Washington Workshops Congressional Seminar April 20-27 as Union Carbide Scholars.

The students are Nell R. Burrus, Oak Ridge High School; Margaret E. Cooper, Clinton High School; and Michael W. Humphreys, Roane County High School. The students were nominated for the honor by the faculties of their respective high schools. The nominations were supported by the Nuclear Division, Union Carbide Corporation.

The seminar will include classes, discussions with members of Congress, attendance at House and Senate Chamber sessions and committee meetings and talks by Cabinet members and other national leaders, both in and out of government. The scholars will be housed at Mount Vernon College, where most of the seminar sessions are conducted.

Burrus, who lives at 979 West Outer Drive, Oak Ridge, is a senior at Oak Ridge High School, where she has a 4.1 average. She is a member of the Student Council, North American Model United Nations, Masquers Drama Club and the National Honor Society.

Cooper lives at Route 2, Powell, and is a junior at Clinton High School where she has a 4.0 average. Her school activities include Vice President of Student Government, the National Honor Society, American Field Service and president of the junior class.

Humphreys, who lives at Route 1, Harriman, is a senior at Roane County High School where he has an "A" average. His high school activities include memberships in the Beta Club, Science Club, Math Club and Pep Club and serving as trainer for the football and basketball teams.

As Union Carbide Scholars, the students will have the full cost of their participation in the Washington Workshops program defrayed by Union Carbide Corporation.

Stroke — new reasons for optimism

In the United States, stroke is the third most common cause of death in women over 35 and in men over 55. In 1977, it was estimated to have killed almost 183,000 adults. Over one million Americans are temporarily or permanently disabled each year. The costs in terms of hospital care, rehabilitation and long-term disability management are staggering. About half of all patients who survive a stroke remain permanently disabled. The psychosocial impacts on family members who must care or support the disabled are inestimable. This gloomy picture, however, is changing.

A downward trend in deaths from stroke was first detected almost 50 years ago. In recent years, the decline has accelerated dramatically—five percent per year—since 1972. The trend is not just the result of better record keeping or new classifications or definitions of cerebrovascular diseases. It is real! But, why?

Probably the most significant factor has been the widespread use of effective medicines to control high blood pressure. These medicines are constantly being improved and have now been widely used for 20 years. A large Veterans' Administration cooperative study clearly showed that treatment of at least moderate and severe hypertension can prevent stroke.

Improved control of other risk factors such as smoking, obesity and high-fat diets and increased emphasis on physical fitness probably have contributed a small amount, especially in those who knew that they faced greatly increased risk. Better methods of treatment of acute stroke and better post-stroke rehabilitation have undoubtedly had an effect. It is probable, however, that the main cause has been a gradual net improvement in all factors that influence health.

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

It is now sometimes possible to prevent strokes in persons who have transient ischemia attacks (TIA). These are brief episodes of headache, dizziness, drowsiness or mental confusion that may or may not be associated with weakness of specific muscle groups or a visual field defect. The potential significance of these episodes, if mild, is frequently unappreciated. Forty percent of patients who ultimately experience a completed stroke have had at least one of these warning attacks. Usually, the onset of permanent irreversible neurological damage occurs within six months of the onset of the TIA episodes.

Evidence of partial obstruction of the carotid artery, the major artery in the neck that supplies blood to the brain, can sometimes be detected in an ordinary routine physical examination. The physician places his stethoscope over the carotid artery in the neck and listens for a murmur. If heard, it may indicate that the artery is at least 50 percent obstructed with the calcified fatty plaques of atherosclerosis. This amount of obstruction greatly increases a person's chances of developing a thrombotic (blood clot) type of stroke. Unfortunately, controlling high blood pressure is about all one can do to prevent hemorrhagic strokes. They account for only about 40 percent of the strokes in people over 50 and occur less frequently with advancing age.

The amount of obstruction in the arteries that bring blood to the brain can best be determined by arteriography. However, dye injection into the artery with rapid sequence x-ray studies entails some risk. Now, however, new, non-invasive diagnostic techniques are being used to determine whether or not arteriography is necessary.

Ophthalmodynamometry measures the difference in retinal artery pressure of the two eyes. By looking at the retinal artery through an ophthalmoscope, the physician increases the pressure within the eye by externally applying pressure until the retinal artery pulsates. The pressure is increased until the pulsation stops. This pressure is measured in each eye and compared. If the pressure in one eye is 20 percent lower than that in the other eye, it can be assumed that carotid artery obstruction is present on that side.

When the carotid artery is partially or even totally obstructed, there is almost always an increase in blood flow through collateral channels, which confuses the picture. By using a Doppler flowmeter, a delicate instrument that uses ultrasound, the amount and direction of flow through superficial arteries can be determined. By occluding one of these arteries by pressing on it with a finger, the physician can see changes in flow patterns through other

arteries, which helps in estimating the amount of obstruction in the deeper arteries.

Another technique, called supraorbital photoplethysmography (SOPPG) involves simultaneous recording of pulsations over the medial aspect of each eye. An infrared-light-emitting diode and a phototransistor are used to detect light reflected from the microcirculation in the skin.

We don't know exactly why, but strokes are being prevented. It probably is a combination of life-style changes and improved treatment of high blood pressure. Aspirin and other medicines are decreasing the likelihood of subsequent strokes in high-risk patients. By using sensitive tests, candidates for possible surgery to remove atherosclerotic obstruction of major vessels are being found. All these factors are reducing death and disability during the working and family-raising years of life. Even though it is unspectacular, the news on strokes is getting better each year.

UCC board urges vote against group resolution

A group of shareholders is planning to present a resolution concerning the Corporation's operations in Oak Ridge at the annual meeting of stockholders to be held April 23 in Atlanta. The proposal calls for appointment of a special committee to evaluate the Corporation's operations at Oak Ridge. The Board of Directors does not support the resolution.

Sponsors are the Sisters of St. Joseph of Carondelet, St. Louis Province; the Church of Brethren, Elgin, Ill.; the Society of the Holy Child Jesus, Provincial House, Drexel Hill, Pa.; the Unitarian Universalist Association of Churches and Fellowships of North America, Boston; and the United Presbyterian Church in the United States of America, General Assembly Mission Council, New York City.

The resolution they plan to present is as follows:

"WHEREAS the continued production of nuclear weapons increases both the likelihood of a global nuclear confrontation and health and safety costs to the communities in which manufacturing facilities are located;

"WHEREAS Union Carbide manages for the Department of Energy the Y-12 Plant in Oak Ridge, Tennessee;

"WHEREAS the Y-12 Plant plays an important role in the nuclear weapons production process;

"WHEREAS in recent years, a serious national movement of concern about and opposition to nuclear weapons facilities has developed; and

WHEREAS increasing attention is being paid to nuclear disarmament and our Company has made

disclosure in a special report issued in 1979 of the extent of its involvement in nuclear weapons production;

"THEREFORE BE IT RESOLVED that the shareholders request the Board of Directors to appoint a special committee which would evaluate Union Carbide's operations at Oak Ridge. The committee would:

1. give emphasis to the moral, economic and social implications of continued nuclear weapons production, including present involvement with the Trident program and plans for the M-X missile or other improvements to ICBM's, in light of a shift in U.S. military strategy;

2. stress the health and safety of the workforce, giving consideration to monitoring the health records of terminated employees and including this provision in future contracts;

3. hold at least one open session during which input from concerned shareholders, church leaders, labor and disarmament experts would be solicited;

4. report its recommendations to the Board of Directors within six months of the 1980 annual meeting; and

5. provide all shareholders with a copy of its report."

Statement of Security Holder

The threat of nuclear war is too grave, the problem is too large and the responsibility is too widespread for anyone, including the Company that operates the production facilities to avoid facing the issue at this moment.

Our Company proudly advertises "Today something we do will touch your life." Obviously the slogan does not refer to the highly enriched uranium or the lithium deuteride components that its Y-12 Plant produces. However, each day the operation of Y-12 does touch the lives of over 5000 workers and does affect the surrounding community. Increasingly the burdens and risks of nuclear weapons production are being shifted to existing facilities in the South. Communities are presented with the risk of radiation contamination. Workers are required to work with some of the most hazardous substances known. The social cost and moral ambiguity of operating nuclear weapons production facilities have become clearer.

Now that a national debate over nuclear energy is in progress, the time seems right for a full assessment of Union Carbide's role in the nuclear economy. An open session during which testimony is presented by the community at large and those most concerned about escalating arms production is crucial to such a process. This is the time for management and shareholders alike to declare their concern about our Company's part in the production of nuclear weapons, not after a major nuclear accident/incident has occurred.

Board recommendation

The Board of Directors of the Corporation has recommended a vote against this proposal. Their statement is as follows:

"The Corporation has been involved in the nation's nuclear energy and weapons programs since the early days of World War II and currently manages for the Department of Energy government-owned facilities at Oak Ridge, Tennessee and Paducah, Kentucky. Those facilities include the Oak Ridge National Laboratory, two gaseous diffusion plants, and the Y-12 Plant. The primary mission of the Y-12 Plant includes the manufacture of components for nuclear weapons and test devices for weapons design agencies. The management contract is customarily renewed every five years and currently expires September 30, 1983. The desirability of renewing this contract was carefully reviewed by Union Carbide in 1978 and will be again in 1982-83.

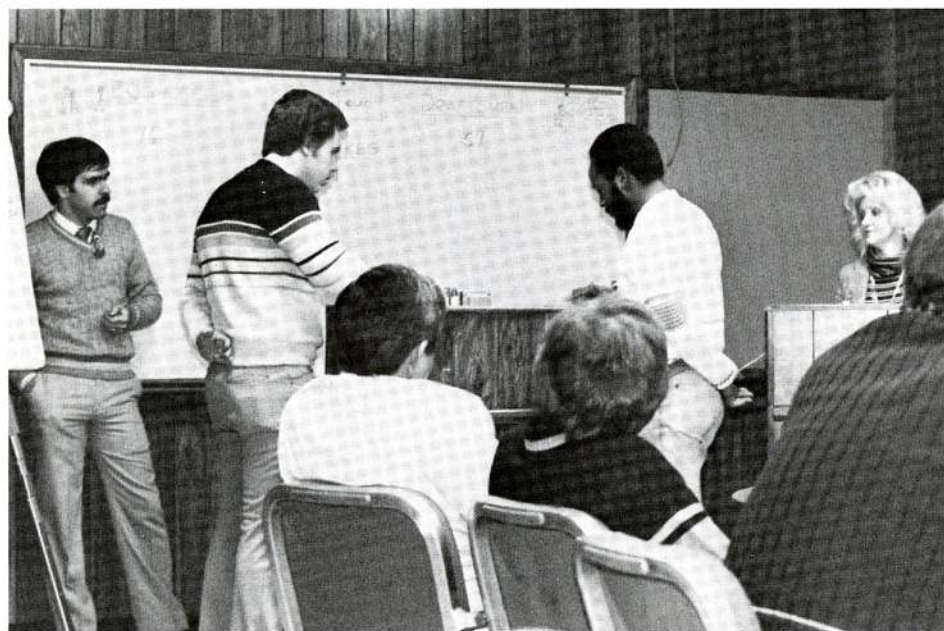
"At the request of certain stockholders, a report on Union Carbide's management of the Oak Ridge and Paducah facilities was made available to all stockholders last June. The stockholder proposal under consideration now in effect asks the Board to appoint a special committee to make an independent evaluation of these operations including an evaluation of the health

and safety of the workers at Oak Ridge. As noted in our June 1979 Report to Shareholders, the worker health and safety record at all Oak Ridge facilities has been outstanding and the Y-12 Plant has one of the best records of all manufacturing facilities operated by Union Carbide. Your management does not believe that an independent evaluation of this subject is required or would serve any useful purpose.

"In our opinion, the principal concern of the stockholders' proposal is the nation's nuclear weapons policy. Other forums exist that are more appropriate for consideration of the moral, economic and social issues that the proposal seeks to raise.

"The Oak Ridge facility through its National Laboratory has developed into one of the world's largest and most diverse scientific research centers, with activities covering all fields of science and technology, including cancer research, with primary emphasis on energy and environmental research and development. In addition to working on various energy and national security aspects of nuclear fission, Oak Ridge personnel are involved in the nuclear fusion program, which has as its long-range goal the development of a reactor that could produce electricity using as the fuel the abundant deuterium found in sea water. The Laboratory is also engaged in a broad range of non-nuclear energy projects. These include the development of more efficient cycles for generating electricity, processes for clean combustion of high-sulfur coal, production of synthetic crude oil and substitute natural gas from coal, advanced methods of energy transmission and methods for conserving energy in homes and industry. Underlying these energy programs is broad-based research on the effects of energy and its by-products on human communities and their air, land and water environments.

"Whether or not Union Carbide terminates its management of the Oak Ridge and Paducah facilities will have no significant impact on the growth and earnings of the Corporation. However, the facilities involved are regarded as a national asset; and through many years of effective and safe operations of those facilities, Union Carbide has made many important contributions to vital programs dealing with energy, the environment, health, safety, and national security. In view of the importance of these facilities, it must be assumed that if Union Carbide were to withdraw as manager of them, the government would merely seek another management contractor to operate them."



AND THE SURVEY SAID!—Members of Paducah's Civil Engineering Department recently tested their safety sense while matching skills at the buzzer as they chose the popular television game "Family Feud" as a model for the last safety meeting. At the buzzers are Jeff Oakley, left, and Michael E. King representing the engineers and draftsmen, respectively. Coordinating the show was Pat Mills, at the microphone; serving as arbitrator was Michael J. Mazzone, Plant Safety Department, extreme left.

Bowling League insights.....

Classic League...

The Eightballs have a substantial eight-point lead over the Kingpins in the Classic League. E. J. Walker Sr., from the Tigers, holds the season high handicap game and series with a 272/711. Ed Tuell, from the Pendulum, holds second place for the high handicap series of 706.

Family Mixed...

The Oops lead by two points in the Family Mixed League over the Hits & Misses. High scratch series were rolled by Georgia Guinn for her 544, and Emmett Walker for his 512.

UCC Mixed...

The Lickety Splits lead by only one point over the Alley Cats in the UCC Mixed League. Kelly Hopson won weekly high scratch series with a 480. Bonnie Cooper rolled a 179 high scratch game. Mike Brown won the weekly award for men, rolling a 572 high scratch series. Bill Jago rolled a 224 scratch game for the men.

C League...

The Anodes are leading by 1½ points over the Rollmasters in the C League. Robert Carmack, from the Sunflowers, holds the season high handicap game and series with a 282/709.

ORGDP Women's...

The Payoffs have a commanding lead in the ORGDP Women's League over the Mousechasers. The Bowler-of-the-Week was Elaine Griffies rolling a 217-220-226=663 handicap series.

ORNL A...

ORAU leads over the Ten Pins in the ORNL "A" League by four points. Weekly prizes were awarded to ORAU for high team handicap series of 2926. Petty, from the Half Frames, rolled a 677 handicap series. Gray, from the Zots, rolled the high handicap game of 262. Paul, from the Ten Pins, won the high scratch game of 233.

K-25 Tuesday...

The Fearless 5 lead over The Team by three points in the Tuesday Men's League. Weekly prizes went to M. S. McCarty, from the Atoms, rolling a 263/288 high scratch and handicap game. J. K. Phillips, from the Mishaps, won high scratch series of 580. J. Grey, from the Payoffs, rolled a 654 handicap series.

ORNL C...

The Easy Rollers still lead the "C" League over the Cellar Dwellers. The Remkeys are in third place. Brown, from the Alley Rads, rolled a 660 handicap series. Adams, from the Engineers, won the high handicap game of 248. Alderfer, from the Hit Men, rolled a 214 scratch game.

UCC Monday Mixed...

Charlies Angels and Band-Aids are tied for first place in the UCC Monday Mixed League. Good Luck Four are only 1/2 game out. Norm Teasley holds the season high scratch series for men with a 616. Penny Jessen holds the same record for the women with a 566.



WINNING ROOKS—The Rooks defeated the Wild Turkeys in the playoff in the Carbon League recently. The winning team, seen above, consists of, from left, Andy Tompkins, Robyn Schultz, Fred Schultz, Micha Petek, Jim Gibson, Joanne Ramey, Robin Taylor, Ann Aaron, Dan Ramey, Joan Taylor, Scott Aaron and Jim Blue.



OVER-THE-HILL—Winners of the Nuclear League Volleyball are the Over-the-Hill Gang, seen above. From left are Jack Cornett, Frank Clayton, Ralph Clough, Wes Hightower, Bruce Marshall, Bob Seyfried and Ron Uglow. Not shown are Pal Prewett and Mark Albert.

Over-the-Hill Gang, Rooks win as Volleyball League closes

Final standings in the Volleyball League found the Rooks and the Wild Turkeys leading their respective divisions in the Carbon League, thus resulting in a playoff. The Rooks came out on top.

Final standings in the three divisions were:

CARBON LEAGUE - NORTH


Team	Won	Lost
Rooks	41	4
Bullets	36	9
Storm Troopers	33	12
Environmental Disasters	32	13
1st Place Team	31	14
Shifters	30	15
Flockers	30	15
The Good Hams	24	21
Absolute Zeroes	22	23
Zodiacs	14	31
Odds and Ends	14	31
Thumpers	12	33
W.G.A.S.	11	34
Mustangs	8	37
Volleytears	5	40

CARBON LEAGUE - SOUTH

Team	Won	Lost
Wild Turkeys	43	2
Condensed Matter	32	13
Fresh Ozone	29	16
Under The Net Gang	28	17
Carriers	26	19
POI's	26	19
Skywalkers	25	20
Bio Rejects	25	20
Over The Net Gang	24	21
The Group	24	21
Short Circuits	20	25
Killer Bees	17	28
The 85th Percentile	15	30
Bombers	12	33
Stuff	11	34
Jolleyvolleys	3	42

NUCLEAR LEAGUE

Team	Won	Lost
Over The Hill Gang	34	2
Con-Fusion	32	4
Dirty Half Dozen	29	7
Nukes of HACRD	25	11
Arties Army	24	12
No-Shows	21	15
Maxwell Demons	15	21
Mean Green Machine	15	21
The Nukes of Hazard	11	25
Spiked Bunch	10	26
Glueons	9	27
Panthers	9	27



UNION CARBIDE

Nuclear Division News

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Environment gets special attention for Earth Day; set April 22

On April 22, "Earth Day 1980" will be observed by private industry, government and environmental and community organizations throughout the United States. These groups will be working together to show that economic growth and a clean and healthy environment can be compatible national goals.

Chester R. Richmond, ORNL associate director for Biomedical and Environmental Sciences, has been appointed coordinator of Earth Day

activities in the southeastern United States by Ruth Clusen, DOE assistant secretary for Environment. Nuclear Division staff will participate in numerous activities during this national observance. Included are a program at the Knox County Courthouse on the 22nd and an Earth Day Fair at the University of Tennessee on April 26.

Additional information may be obtained by phoning Richmond or Helen Pfuderer at 4-4332.

Anniversaries

ORNL

35 YEARS

Marie M. Cardwell, Information; and Thomas K. Walters Jr., Engineering Technology.

30 YEARS

Rebecca Rickman, Engineering Physics; Corbett Brashear, Instrumentation and Controls; William J. Hatcher, Plant and Equipment; Robert E. Hopper, Plant and Equipment; and Charles K. Talbott, Analytical Chemistry.

25 YEARS

Charles V. Hardin, Charles E. Roberts, Joe W. Gooch Jr., O. Charlene Reynolds and Victor K. Pare.

20 YEARS

Trousdale A. Lewis, Billy L. Barnett, Virginia N. Lee and Betty S. Hudson.

Y-12 PLANT

35 YEARS

D. Virginia Hill, Plant Laboratory; Oller C. Collins, Electrical and Electronics; and Clarence E. Beckham, Stores Department.

30 YEARS

Ira B. Hogg, General Shops; C. Ray McGinnis, Quality Control; Roy W. Coker, Electrical and Electronics; and Howard Nobles, General Shops.

25 YEARS

Billie M. Stockton and Billy G. Cross.

PADUCAH

20 YEARS

James H. Thomas and J. Elaine Bradley.

Division deaths



Mr. Connolly



Mr. Mason



Mr. Cory

Thomas F. Connolly, a supervisor in the ORNL Solid State Division, died March 31 at Oak Ridge Hospital. A 29-year ORNL employee, he lived at 475 Robertsville Road, Oak Ridge.

Survivors include his wife, Geraldine; son, Colin; and daughter, Margo, all of Oak Ridge.

W. J. Mason, a radiographer-technologist in the ORNL Metals and Ceramics Division, died March 20.

A 25-year Carbide employee, Mr. Mason lived at 119 Iris Circle, Oak Ridge.

Survivors include his wife, Kate H. Mason; sons, Donald and Charles Mason of Oak Ridge and Randy Mason of Oliver Springs; and a stepdaughter, Rebecca Ann Truitt of Kingston.

Funeral services were held at Weatherford's Funeral Home, Oak Ridge.

John B. Cory Jr., Y-12 Engineering, died at a Knoxville hospital April 9. A native of High Point, N.C., he joined Union Carbide at ORGDP, later transferring to Y-12. He had a BS degree in civil engineering from the University of Tennessee and a BS in aeronautical science from Massachusetts Institute of Technology.

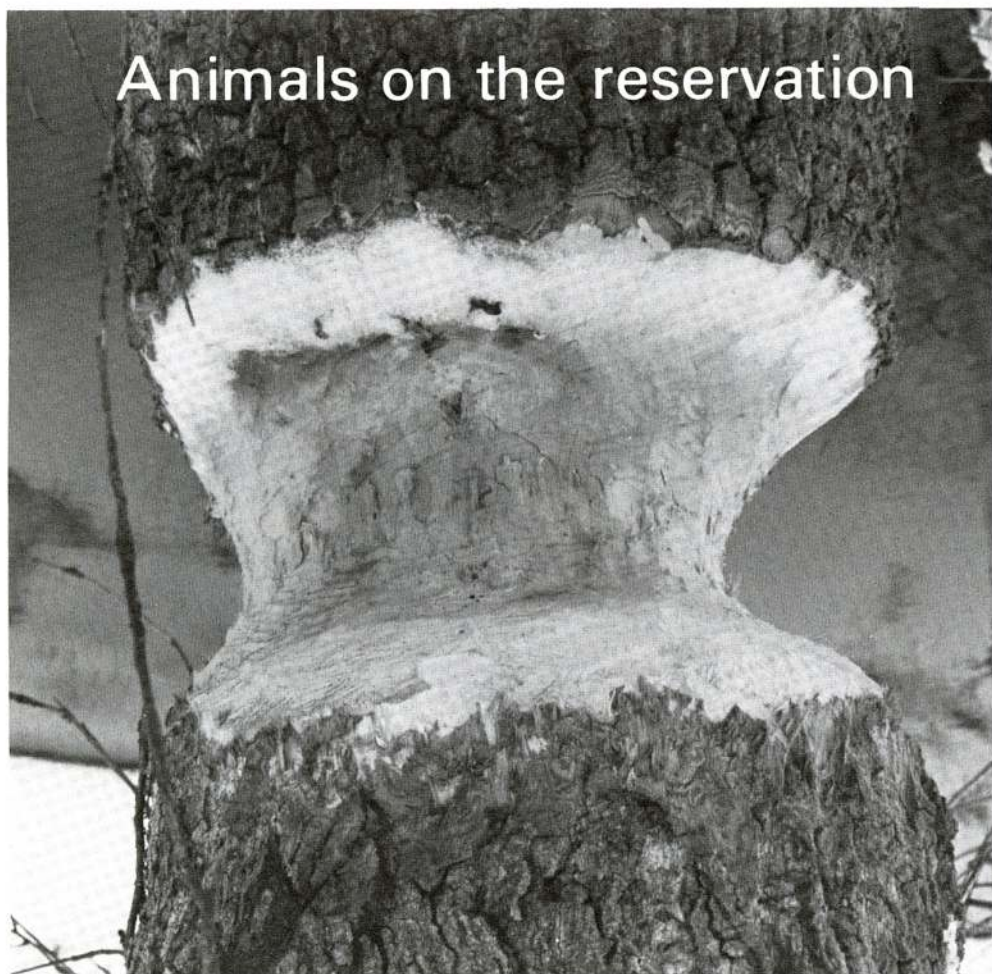
He served in the U.S. Navy and retired with the rank of lieutenant commander. He was a member of the American Society of Civil Engineers and the Tennessee Society of Professional Engineers.

Survivors include his wife, Grayson Hungerford Cory, 112 Cahill Lane, Oak Ridge; and a son, Robert C. Cory.

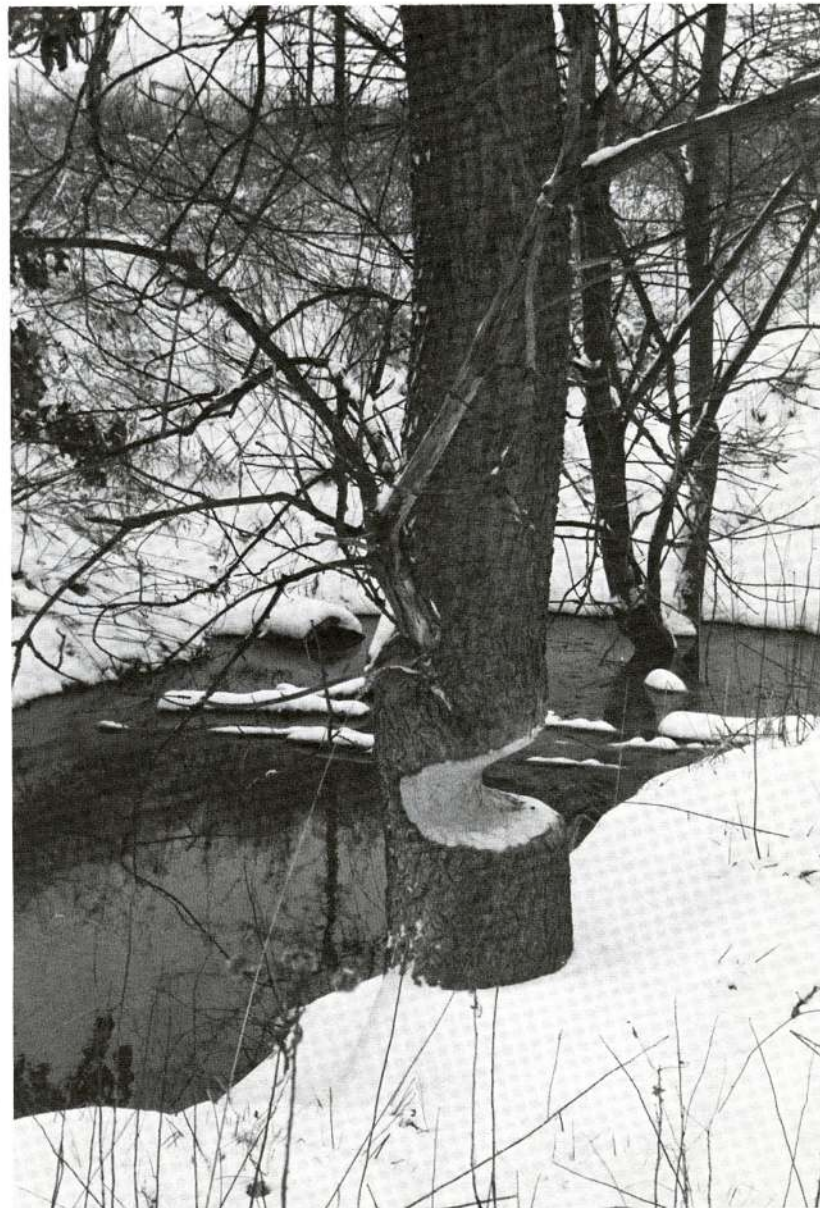
The funeral was held at the Dillon Funeral Home, Forsyth, Ga., with graveside services there also.

The family has asked that any memorials be in the form of contributions to the American Cancer Society, c/o Mrs. Mary McClanahan, 408 Greenwood Drive, Clinton, 37716.

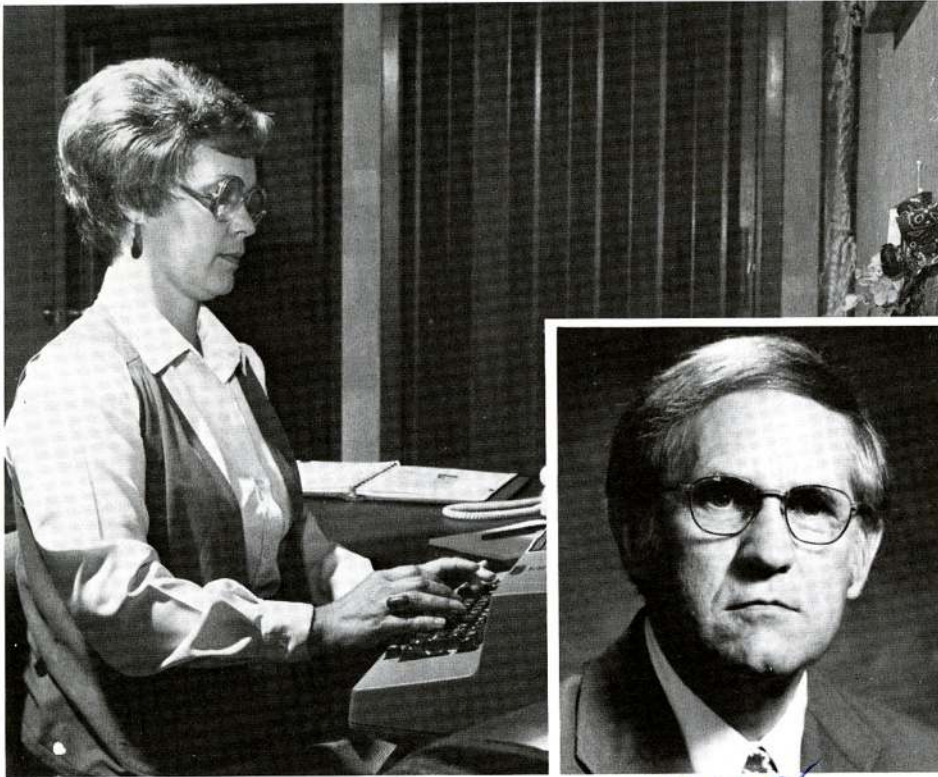
Animals on the reservation



ENGINEERING PROJECT NEARS COMPLETION—An initial step in the construction of a dam near the northwest perimeter fence of the Paducah Plant neared completion recently. At the time of these photos, workers had engineered a smooth incision toward the eventual break of the dam's primary support. The project engineer was not available for comment, but it is expected that the project will be completed before spring rains begin.



Employees discuss secretary's changing role



Moody and White

2341-75

(Continued from Page 1)

"I think of a secretary as part of the team that operates an office with a definite function. Like in any team endeavor, each member has to perform well in a supportive manner for the office to operate effectively," Zerby added.

Lois Bradley, whose supervisor is Dennis C. Parzyck, head of the Health Studies Section in ORNL's Health and Safety Research Division, offered the following statement about the changing role of the secretary. "Management has changed so rapidly that the managers don't have time to handle all the jobs in the office. The secretary has been delegated more and more responsibility. She handles telephone calls, routes mail, sets up procedures, writes letters and follows up on commitments—all without direct supervision. She has become more of an office manager than a typist or file clerk.

"Secretaries are no longer considered second-class citizens," Bradley said, when asked about her future. "We are recognized now as professionals, which indeed we are. More consideration is being given by the Company for personal and professional development, and there are more opportunities for advancement in the secretarial field."

The principal skills needed in a secretary are professional creativity and innovation, according to Parzyck. "While a secretary must display a high degree of personal initiative and scrupulous attention to detail, I have found that the truly outstanding secretaries I have worked with all demonstrate a special ability to develop better and more effective ways to do their job and to aid me in mine. I have been extremely fortunate during my time at ORNL to have worked with a number of

secretaries who have demonstrated these special skills," he said.

When asked whether his secretary improves his effectiveness, Parzyck replied, "A critical role for the secretary involves increasing the overall effectiveness, or professional competence, of an organization. This goes well beyond simply improving the efficiency, or gross productivity, of an operation. Through development of new and innovative procedures, my secretary has increased not only the efficiency but the overall effectiveness of our office many times over."

Y-12's Jeanne Moody, CPS, secretary to James C. White, Nuclear Division Technical Services Manager, says her supervisor expects and encourages her to run the office on her own.

"Managers are becoming more and more aware of the importance and value of the secretary as a member of the management team and not as 'the girl' in the office," Moody added. "In the future, I hope to see more recognition and acceptance by management of the secretary as a professional whose ideas and suggestions can contribute to the success of any management program. Advances in word processing and new trends in office management will free the secretary of the future to exercise her administrative skills. The demand for more competent and highly skilled secretaries will result in job training programs and better educational opportunities."

"A number of skills would be highly valued, depending on the particular secretarial job in question," said White, Moody's supervisor. "In my case, in Technical Services, we deal with people from many different organizations, so it is important that a courteous, upbeat, yet authoritative

first impression be given to callers. Being able to supply answers to questions immediately or knowing where to get the information is necessary to convey this first impression, and that's where my secretary helps me the most.

"She's the first contact, either by phone or in person; she makes my job easier by getting things off to a positive start. Any office looks good when the secretary gives the impression that she knows her business—the business of the office. From both sides of the office door, this image is appreciated," White said.

Bobbie Hammons is secretary to Gordon G. Fee, general manager of the Operating Contractors Project Office at ORGDP. When asked if she was allowed to exercise initiative and judgment in performing her duties, she said, "Yes, I feel I am very fortunate to have a supervisor who gives me the general guidelines of how he wants things done and leaves the rest up to me. This is very important, because the manager is too busy with his own tasks to be bothered with every decision that has to be made in the office."

In the future, Hammons sees herself as a secretary, continually updating her basic and administrative skills. "The role of the secretary has changed over the

years, and I think it will continue to change, with much of the workload being taken over by word processing centers. I find the secretarial career to be very happy, satisfying and challenging. I believe there will always be a need for secretaries as part of the management team," she said.

Fee listed the following skills that he values most in his secretary: "proficiency in office management tasks, effectiveness in dealing with people and ability to efficiently and expeditiously tackle, simultaneously, a multiplicity of tasks—many of which I needed done yesterday."

He said he learned early in his career that "having a good secretary is one of the keys to being a successful manager. I believe her ability to efficiently manage the flow of communications and/or people in and out of our office is the most important factor that improves my effectiveness. Although some of her tasks appear insignificant, they contribute immeasurably to getting the job done.

"I have been with Union Carbide for a number of years and have worked for the Corporation in Cleveland and White Plains," Fee said. "Based on my experience, the Nuclear Division has an outstanding secretarial staff of which we should all be very proud."



Lester



Zerby

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